

# Memorandum

**Date :** October 10, 2000  
**Telephone:** (916) 654-4996  
**File:** Da Master

**To :** William J. Keese  
Michal C. Moore  
Robert A. Laurie  
Robert Pernell  
Art Rosenfeld

**From :** California Energy Commission  
1516 Ninth Street  
Sacramento, CA 95814-5512

**Subject :** DATA ADEQUACY RECOMMENDATION FOR PHASE I OF THE UNITED GOLDEN GATE POWER PROJECT - (00-AFC-5)

The staff has completed its data adequacy review of the AFC submitted by El Paso Merchant Energy Company (El Paso) on September 29, 2000. I have determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B. Attachment A contains an overview of whether each technical discipline evaluated is adequate or inadequate. Attachment B contains staff's detailed data adequacy worksheets which describe staff's findings for each information requirement.

El Paso is seeking an expedited permitting decision under the terms of §25552 of the California Energy Security and Reliability Act (AB 970). This section provides for a four-month certification process for simple cycle thermal power plants and related facilities that can be put into service by August 1, 2001. This section provides for a four-month certification process for simple cycle thermal power plants and related facilities that can be put into service by August 1, 2001. This law requires a determination of data adequacy within 15 days of the filing of the AFC, but in no case later than October 31, 2000.

At the Energy Commission's business meeting on October 11, 2000, I will be recommending that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

In order to allow reconsideration of data adequacy for this project before October 31, 2000, I will prepare a revised recommendation concerning data adequacy by October 24, 2000, for consideration at the October 25 Business Meeting. To allow staff time to review new material submitted in response to the Commission's findings, I request that the applicant file all supplemental material no later than the close of business on October 17, 2000.

In addition to the data adequacy information in Appendices A and B, I have also attached staff's proposed schedule for the four-month permitting process for this project.

October 10, 2000

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This schedule is based on the assumption that the Commission will find the AFC data adequate at the Business Meeting on October 25, 2000.

If you have any questions, please call Kevin Kennedy, staff's Project Manager, at (916) 654-4678 or [kkennedy@energy.state.ca.us](mailto:kkennedy@energy.state.ca.us).

STEVE LARSON  
Executive Director

SL:kmk

Attachments

cc: Docket 00-AFC-05  
Kevin Kennedy, Siting Project Manager  
Dick Ratliff, Staff Counsel

## PROPOSED 4-MONTH AFC SCHEDULE

Day	Activity
Day -15	Application filed
Day 0	CEC determines the application is complete (25552 (b) (1))
Day 8	Staff files Data Requests
Day 20	Staff files Issue Identification Report
Day 21-24	Information Hearing & Site Visit
Day 25	CEC determines the application qualifies (25552 (b) (2))
Day 28	Applicant files Data Responses
Day 58	Air District Preliminary DOC Draft agency comments and recommendations
Day 65	Staff files Staff Assessment
Day 79	Hearing
Day 89	PMPD (based on PDOC)
Day 100	Air District Final DOC Agency final comments and recommendations
Day 115	Possible hearing on FDOC and final agency comments
Day 119	End of public comment period
Day 120	Decision (25552 (c))

### Process Qualification Criteria:

1. Application is complete by October 31, 2000 (25552 (e) (1))
2. Application includes proposed conditions of certification to:
  - Not have a significant adverse effect on the environment (25552 (e) (1))
  - Protect public health and safety (25552 (e) (2))
  - Comply with all applicable LORS (25552 (e) (3))
  - Be in service before August 1, 2001 (25552 (e) (4))
  - Cease to operate or will be modified, replaced, or removed with a combined cycle power plant within three years (25552 (e) (5))
  - Obtain offsets or pay mitigation fees (25552 (e) (6))

### Final Decision Criteria:

1. Simple cycle power plant (25552 (d))
2. Not a major stationary source (25552 (d) (1))
3. Equipped with BACT (25552 (d) (1))
4. Will not result in a significant adverse impact on the environment (25552 (d) (2))
5. Has a contract with a general contractor and has contracted for an adequate supply of skilled labor to construct, operate, and maintain the power plant (25552 (d) (3))

**ATTACHMENT A**  
**OVERVIEW OF ENERGY COMMISSION STAFF'S**  
**DATA ADEQUACY DETERMINATION**  
**UNITED GOLDEN GATE POWER PROJECT PHASE I (00-AFC-5)**

TECHNICAL AREA	ATTACHMENT I PAGE No.	ADEQUATE?
Air Quality	1	No
Alternatives	6	Yes
Biological Resources	7	No
Cultural Resources	11	No
Efficiency	15	Yes
Facility Design	17	No
Geological Hazards	20	Yes
Hazardous Materials Handling	22	Yes
Land Use	24	No
Noise	27	Yes
Paleontological Resources	30	Yes
Project Overview	33	No
Public Health	37	Yes
Reliability	39	Yes
Socioeconomics	41	No
Soils	45	Yes
Traffic and Transportation	47	No
Transmission System Eng.	50	No
Visual Resources	53	Yes
Waste Management	56	No
Water Resources	59	No
Worker Safety	62	No

**ATTACHMENT B**

**ENERGY COMMISSION STAFF'S  
List of Data Inadequacies**

**United Golden Gate Power Project Phase I  
00-AFC-5**

October 10, 2000

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Air Quality  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date Oct. 6, 2000  
 Project: United Golden Gate Power Project, Phase I Technical Staff: Keith Golden  
 Docket: \_\_\_\_\_ Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.2.1, p. 5.2-1 to -13 Sec. 5.2.4.2 p. 5.2-26 to -34 Sec. 5.2.3 p. 5.2.-17 to -24 Sec. 3.4.3.4 p. 3.4-6 Appendix M-7	Yes	
Appendix B (g) (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Appendix M-7	No	Application not formally filed with BAAQMD as of Oct. 4. Completeness of application will need to be evaluated following formal filing.
Appendix B (g) (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Appendix M	Yes	Section 3.4.5.3.2 mentions possible emergency use of fuel oil in the combustion turbines. Applicant must clarify that the Phase I project does <b>NOT</b> include the possible use of fuel oil, or staff will have to revisit data adequacy in all sections.
Appendix B (g) (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Sec. 5.2.3 p. 5.2-17 to -24 Appendix M-7	Yes	
Appendix B (g) (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Sec. 3.5.4 p. 3.5-1	Yes	
Appendix B (g) (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Sec. 5.2.4.1.2 p. 5.2-25 & 26 Appendix M-7	Yes	
Appendix B (g) (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Sec. 5.2.4.1.2 p. 5.2-25 Appendix M-7	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Air Quality  
 Project Manager: Kevin Kennedy

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Revision No. 1 Date Oct. 6, 2000  
 Project: United Golden Gate Power Project, Phase I Technical Staff: Keith Golden  
 Docket: \_\_\_\_\_ Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Sec. 5.2.1.3 p. 5.2-8 to -10.	Yes	
Appendix B (g) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Sec. 5.2.1.2.9 p. 5.2-6 & -7. Figure 5.21	Yes	
Appendix B (g) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	N/A		
Appendix B (g) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Sec. 5.2.1.2.4 p. 5.2-6 & -7 Sec. 5.2.1.2.7 & .8 p. 5.2-4 to -6.	Yes	
Appendix B (g) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Air Quality  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date Oct. 6, 2000  
 Project: United Golden Gate Power Project, Phase I Technical Staff: Keith Golden  
 Docket: \_\_\_\_\_ Technical Senior: Keith Golden

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM <sub>10</sub> ) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO <sub>x</sub> ), sulfur dioxide (SO <sub>2</sub> ), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM <sub>10</sub> )] from construction-related equipment;	Sec. 5.2.4.2.2 p. 5.2-27 to -29.	Yes	
Appendix B (g) (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO <sub>x</sub> , SO <sub>2</sub> , CO and PM <sub>10</sub> ) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Sec. 5.2.4.2.3 p. 5.2-29 to -34.	Yes	
Appendix B (g) (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Sec. 5.2.4.3 p. 5.2-34	No	Please provide an air dispersion modeling protocol describing the type(s) of air dispersion models and the various model options that will be used, and a list of sources within a six mile radius which have received construction permits but are not yet operational, and sources that are currently undergoing permit review.
Appendix B (g) (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:	Sec. 5.2.5.2 p. 5.2-34 & -35.	Yes	
Appendix B (g) (8) (J) (i)	The quantity of offsets needed;			



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area:   Air Quality    
 Project Manager:   Kevin Kennedy  

## DATA ADEQUACY WORKSHEET

Revision No.   1   Date   Oct. 6, 2000    
 Project:   United Golden Gate Power Project, Phase I   Technical Staff:   Keith Golden    
 Docket: \_\_\_\_\_ Technical Senior:   Keith Golden  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Sec. 5.2.5.2 p. 5.2-34 & -35.	Yes	
Appendix B (g) (8) (J) (iii)	Method of emission reduction.	Sec. 5.2.5.2 p. 5.2-34 & -35.	Yes	
Appendix B (g) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Map 5.2-1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.2.2, p. 5.2-10 to -17 Sec. 5.2.6 p. 5.2-35 to -38	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 5.2.7 p. 5.2-38	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.2.6 p. 5.2-35 to -38 Appendix M-7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 5.2.7 p. 5.2-38	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 5.2.8 p. 5.2-38	Yes	



Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Alternatives  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date Oct. 6, 2000  
 Technical Staff: Kevin Kennedy  
 Technical Senior: Roger E. Johnson

Project: United Golden Gate Phase I  
 Docket: 00-AFC-05

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	pp. 3.11-1 to 3; Sections 3.11.2 & 3.11.3	Yes	
Appendix B (f) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	pp. 3.11-2 to 4; Sections 3.11.3.3 & 3.11.4	Yes	
Appendix B (f) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	pp. 3.11-2 to 4; Sections 3.11.3.3 & 3.11.4	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: Biological Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project  
 Docket: 00-AFC-5

Revision No. \_\_\_\_\_ Date 10/5/00  
 Technical Staff: Linda Spiegel  
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec 5.6	No	See below.
Appendix B (g) (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project, and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Sec 5.6.1 Table 5.6-1 Table 5.6-2 Table 5.6-3	No	Provide a map of region showing locations of sensitive resources, including wetlands. Discuss the project location in relation to known occurrences of San Francisco garter snake and California red-legged frog.
Appendix B (g) (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, denning or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	Sec 5.6.1.1 Table 5.6-1 Table 5.6-2 Table 5.6-3	No	Figures 5.6-1 and 3.2-1 referred to in text are not provided. LSA Assoc. Report in Appendix J not complete. Provide a map of the site showing location of liner tie-ins and habitats described in Sec 5.6.1.1.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: Biological Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project  
 Docket: 00-AFC-5

Revision No. \_\_\_\_\_ Date 10/5/00  
 Technical Staff: Linda Spiegel  
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Sec 5.6.1.2 Sec 5.6.1.3 Sec 5.6.1.4	No	Provide the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.
Appendix B (g) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Sec. 5.6.2 Sec 5.6.4 Sec 5.6.5	Yes	Expand discussion, if necessary, to address avoidance of sensitive resources known to occur in the vicinity.
Appendix B (g) (13) (E)	A discussion of the following:			
Appendix B (g) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Sec 5.6.3 Sec 5.6.10	Yes	
Appendix B (g) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Sec 5.6.10	NA	No mitigation other than avoidance is proposed.
Appendix B (g) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.		No	Because there are known sensitive resources in the vicinity, provide a worker environmental awareness training program.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x    
 Technical Area: Biological Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project  
 Docket: 00-AFC-5

Revision No. \_\_\_\_\_ Date 10/5/00  
 Technical Staff: Linda Spiegel  
 Technical Senior: James Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.		NA	No mitigation other than avoidance is proposed.
Appendix B (g) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Sec 5.6.1.3	Yes	
Appendix B (g) (13) (H)	For purposes of this section, sensitive biological resources are one of the following:			
Appendix B (g) (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Sec 5.6.1.1.1 Table 5.6-1 & 5.6-3	Yes	
Appendix B (g) (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and	Table 5.6-1 & 5.6-3	Yes	
Appendix B (g) (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Table 5.6-1 & 5.6-3	No	Please provide a map showing location of wetlands.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec 5.6.6.1 Sec 7.5.6	Yes	Table not provided, but adequately covered in text.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec 5.6.6.1	Yes	Table not provided, but adequately covered in text.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   x  

## DATA ADEQUACY WORKSHEET

Revision No. \_\_\_\_\_ Date   10\5\00  

Technical Area:   Biological Resources  

Project:   United Golden Gate Power Project  

Technical Staff:   Linda Spiegel  

Project Manager:   Kevin Kennedy  

Docket:   00-AFC-5  

Technical Senior:   James Brownell  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec 5.6.6	Yes	Not provided.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec 5.6.8	No	Provide a name, phone number, and address of official within each agency who will serve as a contact person.
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec 5.6.9	Yes	No permits are anticipated.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Cultural Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/3/00  
 Technical Staff: Gary Reinoehl  
 Technical Senior: Dale Edwards

Project: United Golden Gate  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	5.7-1 Sec. 5.7.1. and 5.7.2 5.7.10, Sec. 5.7.3, 5.7.4 and 5.7.5 Sec. 5.7.3 and 5.7.10	No	It is not possible to determine the adverse impacts and the appropriate mitigation measures when identification is not complete. After the survey has identified all potential historical resources, please update the project impacts and measures proposed for mitigation, and cumulative impacts.
Appendix B (g) (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	5.7-2, 3, 4, 5, 6, 7, 8 Sec 5.7-1.3, 5.7.1.4, 5.7.1.5, 5.7.1.6, 5.7.1.7 Figure 5.7.1.8	Yes	
Appendix B (g) (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	5.7-9 Sec. 5.7.1 Appendix K	No	A Preliminary Draft Cultural Resources Assessment for the SFO/United Cogen Site (Appendix K) did not include descriptions of cultural resources that could be affected by the project, potential impacts, mitigation measures, and references. The survey information did not include descriptions of buildings and structures around the project area that could be affected (directly or indirectly) by the proposed project. Please provide descriptions of all buildings and structures that could be affected directly or indirectly by the project and the qualifications of the individuals conducting the surveys.



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/3/00

Technical Area: Cultural Resources

Project: United Golden Gate

Technical Staff: Gary Reinoehl

Project Manager: Kevin Kennedy

Docket: 00-AFC-5

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Pg. 5.7-9 Sec. 5.7.1.9 Appendix K	No	A Preliminary Draft Cultural Resources Assessment for the SFO/United Cogen Site (Appendix K) did not include descriptions of cultural resources ( <u>buildings, structures, objects, sites, districts</u> ) that could be <u>affected</u> by the project, potential impacts, mitigation measures, and references. The survey information did not include descriptions of buildings and structures around the project area that could be affected (directly or indirectly) by the proposed project and an evaluation of the significance of the buildings and structures. Please provide a discussion of the significance of the cultural resources that could be affected by the proposed project after the survey has identified all potential historical resources. After all resources are identified, please provide site records (preferably on a Department of Parks and Recreation 523A form) for all cultural resources <u>within that could be affected ¼ mile of by</u> the project.
Appendix B (g) (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Pg. 5.7-9 Sec. 5.7.1.8.2	Yes	
Appendix B (g) (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	5.7-11 Sec. 5.7.3.1 Sec. 5.7.3.2 Sec. 5.7.3.10 Appendix K	No	It is not possible to determine the appropriate mitigation measures when identification is not complete. After the survey has identified all potential historical resources, please update the measures proposed for mitigation.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Cultural Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date 10/3/00  
 Technical Staff: Gary Reinoehl  
 Technical Senior: Dale Edwards

Project: United Golden Gate  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pg. 5.7-12 Sec. 5.7.6.1 Sec. 5.7.6.2 Sec. 7.5.8.1 Sec. 7.5.8.2 Table 7.1-1 Sec. 5.9	No	The text of the LORS and Section 5.7.6.1 indicates that the Bureau of Land Management is the lead federal agency, but no LORS are listed that require the BLM to take and action. Section 5.9, Land Use, does not indicate that BLM lands are involved. Please update these sections to reflect the lands involved and the appropriate LORS. <del>In the San Mateo County General Plan there are Goals and Objectives for Historical and Archaeological Resources Policy (page 5-1-5-7).</del> Please reflect <u>appropriate local general plan goals, objectives and policies and planning codes</u> <del>these</del> in your LORS section.
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pg. 5.7-13 Table 5.7-1 Sec. 7.5.8.1 Sec. 7.5.8.2 Table 7.1-1	No	The text of the LORS and Section 5.7.6.1 indicates that the Bureau of Land Management is the lead federal agency, but no LORS are listed that require the BLM to take and action. Please update these sections to reflect the agencies involved.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	5.7-11 Sec. 5.7.4, 5.7.5 5.7-12 Sec. 5.7.7 Sec. 7.5.8.1 Sec. 7.5.8.2 Table 7.1-1	No	The text indicates that the Bureau of Land Management is the lead federal agency, but no LORS are listed that require the BLM to take an action. Please clarify.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Pg. 5.7-13 Table 5.7-1 Sec. 7.5.8.1 Sec. 7.5.8.2 Table 7.1-1	No	The text of the LORS and Section 5.7.6.1 indicates that the Bureau of Land Management is the lead federal agency, but no LORS are listed that require the BLM to take and action. No federal official is listed with title, address and phone number. Please clarify. Please provide a name, <del>title</del> , phone number and address of <del>an a local official official within San Mateo County</del> responsible for compliance with cultural resources LORS.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area:   Cultural Resources    
 Project Manager:   Kevin Kennedy  

# DATA ADEQUACY WORKSHEET

Revision No.   1   Date   10/3/00    
 Technical Staff:   Gary Reinoehl    
 Technical Senior:   Dale Edwards  

Project:   United Golden Gate    
 Docket:   00-AFC-5  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Pg. 5.7-13 Sec. 5.7-1 Sec. 7.5.8.1 Sec. 7.5.8.2 Table 7.1-1	No	No schedule for a permit from the BLM or the steps the applicant has taken or plans to take to obtain such permits were provided.

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Efficiency  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 6, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

Project: United Golden Gate Phase I Peaker  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4.2, 1.4.3, 3.1, 3.3.1, 3.3.2.1, 3.4, 3.4.1, 3.4.2, 3.4.3, 3.4.3.1, 3.4.5.3.1, 3.4.5.3.2, 3.7.1, 3.9.1.1, 3.9.2.2, 3.11.3.2, 4.3.1.2.1, 4.3.5; Chapter 7; Appendix A	Yes	
Appendix B (i) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Appendix A	Yes	
Appendix B (i) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§ 4.3.1.2.1; Appendix A	Yes	
Appendix B (i) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§ 4.3.1.2.1; Appendix A	Yes	
Appendix B (i) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§ 4.3.1.2.1	Yes	
Appendix B (i) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
Appendix B (i) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§ 3.11.3.2	Yes	

Adequacy Issue: Adequate **X** Inadequate \_\_\_\_\_  
 Technical Area: **Efficiency**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 6, 2000  
 Project: United Golden Gate Phase I Peaker Technical Staff: Steve Baker  
 Docket: 00-AFC-5 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	N/A	N/A	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue:	Adequate _____ Inadequate <u>  X  </u>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. _____	Date <u>  10/4/00  </u>
Technical Area:	<b>Facility Design</b>	Project:	United Golden Gate Power Project Ph.1	Technical Staff:	Kisabuli & Robert Anderson
Project Manager:	Kevin Kennedy	Docket:	00-AFC-05	Technical Senior:	Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Map 5.5-1	Yes	
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	Appendix C, Page C-7, Sections 3.3.2.2 through 3.3.2.5	No	State the amount of precipitation at the site for the 100-year 24-hour storm event. Supply the data, rationale, and calculations used to determine the amount of precipitation and surface water discharge to the 36" diameter drain Also please supply Figure 5.5-2.
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	Page 5.5-6, Section 5.5.2.1.2	Yes	
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Soils and Water Resources	_____	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Not found	No	Please provide a drainage plan for the project and a description of the impact of surface water run-off on adjacent properties.
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7 and table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 7 and table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 3.5, 4.1.1, and 7 Appendices A, B, C, E and F	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: **Facility Design**  
 Project Manager: Kevin Kennedy

**DATA ADEQUACY WORKSHEET**  
 Project: United Golden Gate Power Project Ph.1  
 Docket: 00-AFC-05

Revision No. \_\_\_\_\_ Date 10/4/00  
 Technical Staff: Kisabuli & Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 7	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 7	Yes	
Appendix B (i) (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	Page 3.5-2 Section 3.5.10 Pages 3.3-1 and 2.3 Sections 3.3.2 and 3.3.3	Yes	
Appendix B (i) (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	Pages 3.1 thro' 3.2 and 3	Yes	
Appendix B (i) (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	Pages 3.1 thro' 3.2 and 3 Sections 3.5.1, 3.5.2, 3.5.5 and 3.5.10	Yes	
Appendix B (i) (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	See below	See below	
Appendix B (i) (1) (D) (i)	The power generation system;	Section 3.4	Yes	
Appendix B (i) (1) (D) (ii)	The heat dissipation system;	N/A	N/A	
Appendix B (i) (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	N/A	N/A	
Appendix B (i) (1) (D) (iv)	The atmospheric emission control system;	Sections 3.4.3.3 and 5.2	Yes	

Adequacy Issue:	Adequate _____ Inadequate <u>  X  </u>	<b>DATA ADEQUACY WORKSHEET</b>		Revision No. _____	Date <u>  10/4/00  </u>
Technical Area:	<b>Facility Design</b>	Project:	United Golden Gate Power Project Ph.1	Technical Staff:	Kisabuli & Robert Anderson
Project Manager:	Kevin Kennedy	Docket:	00-AFC-05	Technical Senior:	Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (1) (D) (v)	The waste disposal system and on-site disposal sites;	Section 5.14	Yes	
Appendix B (i) (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (i) (1) (D) (viii)	Switchyards/transformer systems; and	Section 3.4.2	Yes	
Appendix B (i) (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	Sections 2.2, 3.5 and 7	Yes	



Adequacy Issue: Adequate ☒ Inadequate \_\_\_\_\_  
 Technical Area: **Geological Hazards**  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project,  
Phase 1  
 Docket: 00-AFC-05

Revision No. \_\_\_\_\_ Date 10/4/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Page 5.3-1, Section 5.3.1 through Page 5.3-11, Section 5.3.1.4 Page 5.3-18, Section 5.3.2.1.1 through Page 5.3-20, Section 5.3.5	Yes	
Appendix B (g) (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Page 5.3-1, Section 5.3.1.1 through Page 5.3-18, Section 5.3.2.1.3	Yes	
Appendix B (g) (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Page 5.3.1, Section 5.3.1.1 through Page 5.3-20, Section 5.3.4.6 Map 5.3-11	Yes	
Appendix B (g) (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Pages 5.3-16 and 17, Section 5.3.1.6; Page 5.3-18, Section 5.3.2.1.3; Page 5.3-20, Section 5.3.6	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 5.3-21, Section 5.3.8 Table 5.3-6; Page 7-2, Section 7.3.1	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Geological Hazards**  
 Project Manager: Kevin Kennedy

# DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project,  
Phase 1  
 Docket: 00-AFC-05

Revision No. \_\_\_\_\_ Date 10/4/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5.3-22, Section 5.3.10 Table 5.3-8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 5.3-21, Section 5.3.8; Page 7-2, Section 7.3.1; Page 7-3, Section 7.3.1.5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.3-22, Section 5.3.10 Table 5.3.8	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: **Hazardous Materials Handling**  
 Project Manager: **K. Kennedy**

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate

Revision No. 0 Date 10/5/00  
 Technical Staff: R. Tyler  
 Technical Senior: R. Tyler

Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.15	Yes	
Appendix B (g) (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 5.15-2	Yes	
Appendix B (g) (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 5.15-1	Yes	
Appendix B (g) (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 5.15	Yes	
Appendix B (g) (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 5.15.2.2.2	Yes	
Appendix B (g) (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 5.15.2.2.1	Yes	
Appendix B (g) (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 5.15.4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Hazardous Materials Handling  
 Project Manager: K. Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate

Docket: 00-AFC-5

Revision No. 0 Date 10/5/00  
 Technical Staff: R. Tyler  
 Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 5.15.3	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.15-4	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.15-4	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.15.7	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.15-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X **DATA ADEQUACY WORKSHEET** Revision No. \_\_\_\_\_ Date 10/2/00  
 Technical Area: Land Use Project: United Golden Gate Power Project Phase 1 Technical Staff: Amanda Stennick  
 Project Manager: Kevin Kennedy Docket: 00-AFC-5 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5.9	Yes	
Appendix B (g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Sections 5.9.1.2.2 through 5.9 1.3.3 Map 5.9-1	Yes	
Appendix B (g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Table 5.9-2. Section 5.4.1.2.1	Yes	
Appendix B (g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Section 5.9.1.1.2	No	Because the SFIA is under the jurisdiction of the CCSF, please discuss the project in relation to trends in recent zoning changes and potential future land use development within that jurisdiction.
Appendix B (g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Not given	No	Please provide identification of all discretionary reviews by CCSF and BCDC initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii);
Appendix B (g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Map 5.9-2	No	Please provide maps that identify and clearly delineate existing land uses, jurisdictional boundaries, general plan designations, specific plan designations.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  Technical Area: Land UseProject Manager: Kevin Kennedy**DATA ADEQUACY WORKSHEET**Project: United Golden Gate Power Project Phase 1Docket: 00-AFC-5Revision No. \_\_\_\_\_ Date 10/2/00Technical Staff: Amanda StennickTechnical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Sections 5.9.1.3, 5.9.2.4, 5.9.6	No	Please provide all relevant goals, policies, elements, and development standards in the CCSF General Plan, Zoning Ordinance, SFIA Master Plan, and Airport Commission Regulations. Please provide a discussion of how the project intends to conform and comply with these goals, policies, elements, and development standards.
Appendix B (g) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Sections 5.4.1.2.1 and 5.4.1.2.2	Yes	
Appendix B (g) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	NA	Yes	
Appendix B (g) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	NA	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	NA	Yes	
Appendix B (g) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Sections 5.4.1.2.1 and 5.4.1.2.2	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 7.5.9 Table 5.9-2	No	Please provide all relevant goals, policies, elements, and development standards in the CCSF General Plan, Zoning Ordinance, SFIA Master Plan, and Airport Commission Regulations. Please provide a discussion of the project will conform and comply with these goals, policies, elements, and development standards.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X   **DATA ADEQUACY WORKSHEET** Revision No. \_\_\_\_\_ Date   10/2/00    
 Technical Area:   Land Use   Project:   United Golden Gate Power Project Phase 1   Technical Staff:   Amanda Stennick    
 Project Manager:   Kevin Kennedy   Docket:   00-AFC-5   Technical Senior:   Dale Edwards  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	No	Table 7.1-1 identifies the Airport Commission Regulations as having specific zoning requirements and a CUP, but does not discuss them or the conditions that would be placed on the project to satisfy a CUP in the Land Use section.  Additionally, if providing information to satisfy Appendix B (h) (1) (A) results in the necessity for other permits, please provide those agencies and permits in Table 7.1-1.
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.9.6	No	Table 7.1-1 identifies the Airport Commission Regulations as having specific zoning requirements and a CUP, but does not discuss them or the conditions that would be placed on the project to satisfy a CUP in the Land Use section. Please provide all relevant goals, policies, elements, and development standards in the CCSF General Plan, Zoning Ordinance, SFIA Master Plan, and Airport Commission Regulations. Please provide a discussion of the project's conformity and compliance with these goals, policies, elements, and development standards.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.9-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.9-10	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Noise  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 6, 2000  
 Technical Staff: Tom Murphy  
 Technical Senior: Steve Baker

Project: United Golden Gate Phase I Peaker  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.2.1, 1.3, 1.4.1, 1.6.7, 3.2, 3.8; Chapter 5.12; Figure 5.9-2; § 7.5.12; Table 7.1-1; Appendix P	Yes	
Appendix B (g) (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Figure 5.9-2	Yes	
Appendix B (g) (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in $L_{eq}$ (equivalent sound or noise level), $L_{dn}$ (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The $L_{10}$ , $L_{50}$ , and $L_{90}$ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	§ 5.12.1.1; Appendix P	Yes	
Appendix B (g) (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	§§ 5.12.2.2.1, 5.12.2.3.1; Appendix P	Yes	



Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Noise  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 6, 2000  
 Technical Staff: Tom Murphy  
 Technical Senior: Steve Baker

Project: United Golden Gate Phase I Peaker  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	§§ 5.12.2.3.1; Figure 5.12-4, 5.12-5; Appendix P	Yes	
Appendix B (g) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	§§ 5.12.2.2.1, 5.12.4.2; Appendix P	Yes	
Appendix B (g) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	N/A	N/A	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	§§ 5.12.7; Table 5.12-6	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	§§ 5.12.2.2.1, 5.12.2.3.1; Appendix P	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date October 6, 2000

Technical Area: Noise

Project: United Golden Gate Phase I Peaker

Technical Staff: Tom Murphy

Project Manager: Kevin Kennedy

Docket: 00-AFC-5

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.12-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 5.12-8	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Paleontological Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project Ph.1  
 Docket: 00-AFC-05

Revision No. 0 Date 10/4/00  
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.8-5 and 6, Sections 5.8.2 through 5.8.6	Yes	
Appendix B (g) (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Pages 5.8-4 and 5, Section 5.8.1.5  Appendix L, Pages 3 and 4, Section 4	Yes	
Appendix B (g) (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Pages 5.8-3 and 4, Sections 5.8.1.4 and 5.8.1.5  Appendix L, Page 9, Section 6.2	Yes	
Appendix B (g) (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Page 5.8-2, Section 5.8.1.3; Page 5.8-3, Section 5.8.1.4  Appendix L, Pages 8 and 9, Section 6.1	Yes	

Adequacy Issue: Adequate   X   Inadequate         
 Technical Area: Paleontological Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project Ph.1  
 Docket: 00-AFC-05

Revision No.   0   Date   10/4/00    
 Technical Staff: Robert Anderson  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Not Applicable (N/A)	N/A	
Appendix B (g) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Pages 5.8-9 and 10 Section 5.8.9	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 5.8-7and 5.8-8, Section 5.8.6.2; Table 7.1-1, Page 7-54; Pages 7-27 and 7-28, Sections 7.5.8 through 7.5.8.5	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/4/00

Technical Area: Paleontological Resources

Project: United Golden Gate Power Project Ph.1

Technical Staff: Robert Anderson

Project Manager: Kevin Kennedy

Docket: 00-AFC-05

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 5.8-8, Section 5.8.7 and Section 5.8.8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Page 7-54; Table 7.1-1 Section 7.5.8 Page 5.8-7 through 5.8-11 Sections 5.8.6 through 5.8.9	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 5.8-8, Section 5.8.7, Table 5.8-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Not Applicable (N/A)	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Project Overview  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Phase I  
 Docket: 00AFC-05

Revision No. 0 Date Oct. 6, 2000

Technical Staff: Kevin Kennedy  
 Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Cal. Code Regs., tit. 20, § 1704, (a) (3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	No	Missing key information in several technical areas; see other worksheets for details
Cal. Code Regs., tit. 20, § 1704, (a) (3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	No	Missing Phase I Environmental Site Assessment; need to clarify relationship of draft reports in Appendices J, K, and L to letter reports and to the Phase I project.
Cal. Code Regs., tit. 20, § 1704, (a) (3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	No	References in Water section (5.5) are for a different project
Cal. Code Regs., tit. 20, § 1704, (a) (4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Entire AFC	Yes	
Appendix B (a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	3.1, 3.2, 3.3, 3.4, 3.5.1, 3.6, 3.4.3.3, 4.3.5	No	Need figure showing location of the connections to natural gas, transmission, water, and waste water.
Appendix B (a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Pg. 3.2-1 Sec. 3.2 Appendix U	Yes	
Appendix B (a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Pg. 3.2-1 Sec. 3.2 Fig. 1.4-1	Yes	
Appendix B (a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Fig. 5.13-1, 2, 3, 4, 5, 6, 7, 8 Fig. 1.1-2	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Project Overview  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Phase I  
 Docket: 00AFC-05

Revision No. 0 Date Oct. 6, 2000

Technical Staff: Kevin Kennedy  
 Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (a) (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix U	Yes	
Appendix B (a) (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Pg. 3.1-1 Sec. 3.1 Pg. 3.8-1 Sec. 3.8.1	Yes	
Appendix B (a) (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	1.4.3	No	Section 1.4.3 should specify ownership and relevant leaseholds of the project site.
Appendix B (a) (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	1.4.1, 3.6	No	Need to specify ownership of lines connecting UGG Phase I to the UCI substation.
Appendix B (a) (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	1.4.3	No	Need to clarify relationship of El Paso Merchant Energy and the United Golden Gate Power Project with UCI and with SFIA.
Appendix B (b) (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;	Map 5.2-1 Pg. 3.2-1 Sec. 3.2 Appendix U	No	Maps showing dedicated leaseholds relating to the project. Also, location of project site relative to assessor's parcels shown on App. U maps needs to be clarified.
Appendix B (b) (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Fig. 3.4-1, 3.4-2	No	Need figure showing location of the connections to natural gas, transmission, water, and waste water.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Project Overview  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Phase I  
 Docket: 00AFC-05

Revision No. 0 Date Oct. 6, 2000  
 Technical Staff: Kevin Kennedy  
 Technical Senior: Roger E. Johnson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	3.4, pg. 3.4-1 through 8 Sec. 3.5 Sec. 3.6, pg. 3.6-1, 2 Sec. 3.7, pg. 3.7-1 Sec. 3.8, pg. 3.8-1 through 3 Sec., 3.9, pg. 3.9-1, 2, 3 Sec. 4.1.2, pg. 4.1-1 Sec. 4.1.2.3, pg. 4.1-2, 3	No	Need figure showing location of the connections to natural gas, transmission, water, and waste water.
Appendix B (b) (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	N/A	N/A	
Appendix B (b) (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	N/A	N/A	
Appendix B (c)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	Pg. 2-1 Sec. 2.1	Yes	Not Applicable
Appendix B (d) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.	N/A	N/A	
Appendix B (d) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.	N/A	N/A	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Project Overview  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date Oct. 6, 2000  
 Technical Staff: Kevin Kennedy  
 Technical Senior: Roger E. Johnson

Project: United Golden Gate Phase I  
 Docket: 00AFC-05

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	3.10	Yes	
AB 970 (Public Resources Code §25552)	<p>To qualify for an expedited decision, the AFC must include descriptions of proposed conditions of certification that will assure that the project:</p> <ul style="list-style-type: none"> <li>• will not have a significant adverse impact on the environment;</li> <li>• will protect public health and safety;</li> <li>• will result in compliance with all applicable federal, state, and local laws, ordinances, and standards;</li> <li>• will be in service before August 1, 2000; and</li> <li>• will ensure that the power plant will cease to operate or be replaced with a combined cycle power plant within three years.</li> </ul>		Yes	AFC includes conditions intended to meet these requirements. Staff independently will assess the conditions during the permit review process to determine appropriate conditions of certification.

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No.

Date 10-3-00

Technical Area: Public Health

Project: United Golden Gate Phase 1

Technical Staff: Obed Odoemelam

Project Manager: Kevin Kenedy

Docket: 00-AFC-5

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.16, pgs. 5.16-1 to 5.16-3 and 5.16-6 Sec. 5.2, pgs. 5.2-25. Appendix M-2.	Yes	
Appendix B (g) (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Sec. 5.16, pgs. 5.16-2 to 5.16-3	Yes	
Appendix B (g) (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 5.16, pgs. 5.16-2 to 5.16.4 Appendix O	Yes	
Appendix B (g) (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Sec. 5.16, pg. 5.16-12	Yes	Waiver on Map scale
Appendix B (g) (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Sec. 5.16, pg. 5.16-12	Yes	Waiver on Map scale

Adequacy Issue: Adequate ☒ Inadequate

## DATA ADEQUACY WORKSHEET

Revision No.

Date 10-3-00

Technical Area: Public Health

Project Manager: Kevin Kenedy

Project: United Golden Gate Phase 1

Docket: 00-AFC-5

Technical Staff: Obed Odoemelum

Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.16, pages 5.16-7 through 5.16-9. Sec. 7.0,	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 5.16, pg. 5.16-8	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 7.0	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 5.16, pg. 5.16-8	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 5.16, pg. 5.16-8	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Reliability  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Phase I Peaker  
 Docket: 00-AFC-5

Revision No. 0 Date October 6, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.4.2, 1.4.3, 1.6.2, 1.6.3, 3.1, 3.3.1, 3.3.2.1, 3.3.2.2, 3.4, 3.4.2, 3.4.2.8, 3.4.2.9, 3.4.3, 3.4.3.1, 3.4.5.1.1, 3.4.5.3.1, 3.4.5.3.2, 3.5.9, 3.6.2.8, 3.6.2.9, 3.7.1, 3.7.2, 3.9.1.1, 3.9.2.2, 3.9.1.3, 3.9.1.6, 4.1.1, 4.1.1.1, 4.1.2, 4.3.1, 4.3.1.1, 4.3.1.2, 4.3.1.2.1, 4.3.1.3, 4.3.2.1, 4.3.2.2, 4.3.2.3, 4.3.3, 4.3.4, 4.3.5, 4.3.6, 4.3.7, 7.4.1	Yes	
Appendix B (i) (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.1, 1.4.3, 3.4, 3.4.5.3.2, 3.7.1, 4.3.5	Yes	
Appendix B (i) (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (i) (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 3.4, 3.9.2.2, 4.3.1.2.1, 4.3.1.3, 4.3.3	Yes	
Appendix B (i) (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 4.3.1, 4.3.1.2, 4.3.1.2.1, 4.3.1.3	Yes	
Appendix B (i) (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.6.2, 3.3.2.2, 3.5.8, 4.1.1, 5.3	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Reliability  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Phase I Peaker  
 Docket: 00-AFC-5

Revision No. 0 Date October 6, 2000  
 Technical Staff: Steve Baker  
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 3.3.2.2, 3.4.2.8, 3.4.2.9, 3.4.5.3.2, 3.6.2.8, 3.6.2.9, 3.9.2.2, 3.9.1.3, 3.9.1.6, 4.1.1.1, 4.1.2, 4.3.2.1, 4.3.2.2, 4.3.2.3, 4.3.5	Yes	
Appendix B (i) (3) (B) (v)	The expected power plant maturation period.	§§ 4.3.1, 4.3.1.2.1	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 7.1-1	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 7.1-1	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 7.1-1	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Socioeconomics  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: GG United, Phase 1  
 Docket: 00-AFC-5

Revision No. 1 Date October 5, 2000

Technical Staff: James Adams  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 5.10.1 Pg. 5.10-1 through 5.10-7 Sec. 5.10.2 Pgs. 5.10-7 through 5.10-10 Sec. 5.10.3 Pg. 5.10-11 Sec. 5.10.4 Pg. 5.10-11 Sec. 5.10.9 Pg. 5.10-12	Yes	
Appendix B (g) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	Sec. 5.10-1 Pg. 5.10-1 through 5.10-7 Sec. 5.10.2 Pgs. 5.10-7 through 5.10-10	Yes	
Appendix B (g) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	Sec. 5.10.1.8 Pg. 5.10-7 Sec. 5.10.2.5 Pg. 5.10-10 Sec. 5.10.7 Pg. 5.10.11	No	Please provide a discussion of the fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues.
Appendix B (g) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Sec. 5.10.1 Pg. 5.10-1 through 5.10-7	Yes	
Appendix B (g) (7) (A) (iii)	Existing and projected unemployment rates;	Sec. 5.10.1.4 Pg. 5.10-4 – through 5.10-6	Yes	
Appendix B (g) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	Sec. 5.10.2.2 Pg 5.10-8	No	Please provide the availability of skilled workers by craft required for operation of the project.
Appendix B (g) (7) (A) (v)	Availability of temporary and permanent housing; and	Sec. 5.10.1.2, P. 5.10-1, Sec. 5.10.1.2.4, P. 5.10-2, Sec. 5.10.2.3 Pg. 5.10-9	No	Please provide a discussion of the availability of temporary housing.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Socioeconomics  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 1 Date October 5, 2000  
 Technical Staff: James Adams  
 Technical Senior: Dale Edwards

Project: GG United, Phase 1  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	Sec. 5.10.1.6, 10.1.7, P. 5.10-7, Sec. 5.10.2.4, Pg.5.10-9 through 5.10.10,	Yes	
Appendix B (g) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	Sec. 5.10.2.4 Pg. 5.10-9 through 5.10-10 Sec. 5.10.2.5 Pg. 5.10-10 Sec. 5.10.3 Pg. 5.10-11		
Appendix B (g) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;	Table 5.10-12 Pg. 5.10-24	No	Please provide the number of workers by craft during the operation of the project.
Appendix B (g) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Sec. 5.10.2.2 Pg. 5.10-8	No	Please provide an estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project.
Appendix B (g) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Sec. 5.10.2.3 Pg. 5.10-9	Yes	
Appendix B (g) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Sec. 5.10.2.3 Pg. 5.10-9 Sec. 5.10.2.4 Pg. 5.10-9 through 10	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Socioeconomics  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: GG United, Phase 1  
 Docket: 00-AFC-5

Revision No. 1 Date October 5, 2000

Technical Staff: James Adams  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Sec. 5.10.2 Pg. 5.10-7 through 5.10-10 Sec. 5.10.2.4 Pg. 5.10-9 through 5.10-10	No	Please provide a discussion of potential impacts on medical facilities and other assessment districts.
Appendix B (g) (7) (B) (vi)	An estimate of applicable school impact fees;	Sec. 5.10.2.4 Pg. 5.10-9 through 5.10-10	No	Please provide an estimate of applicable school impact fees.
Appendix B (g) (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	Sec. 5.10.2.2.1 Pg. 5.10-8	No	Please provide an estimate of operational payroll.
Appendix B (g) (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	Sec. 5.10.2.2.1 Pg. 5.10-8	No	Please provide an estimate of the expenditures for locally purchased materials for operation of the project.
Appendix B (g) (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Sec. 5.10.2.5 Pg. 5.10-10	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 5.10.6 and 7.5	No	Please provide tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed.



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Socioeconomics  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: GG United, Phase 1  
 Docket: 00-AFC-5

Revision No. 1 Date October 5, 2000

Technical Staff: James Adams  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 5.10.7 Pg. 5.10-11 Sec. 5.10.8 Pg. 5.10-12	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 5.10.7 Pg. 5.10-11 Sec. 5.10.8 Pg. 5.10-12	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 5.10-8 Pg. 5.10-12	No	Please provide the name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.
Appendix (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 5.10-8 Pg. 5.10-12	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Soils  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. \_\_\_\_\_ Date 10/05/00  
 Project: United Golden Gate Power Project Phase 1 Technical Staff: Joe O'Hagan  
 Docket: 00-AFC-5 Technical Senior: \_\_\_\_\_

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.4-1 to 5.4-5	Yes	
Appendix B (g) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Figure 5.4-1	Yes	
Appendix B (g) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Pages 5.4-1 to 5.4-5	Yes	
Appendix B (g) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Table 5.4-2 and pages 5.4-1 to 5.4-5	Yes	
Appendix B (g) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Pages 5.4-5 to 5.4-7	Yes	
Appendix B (g) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Not applicable		
Appendix B (g) (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Pages 5.2-25 to 5.2-34	Yes	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Pages 5.4-1 to 5.4-5 and Tables 5.4-3 and 5.4-4	Yes	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Soils  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. \_\_\_\_\_ Date 10/05/00  
 Project: United Golden Gate Power Project Phase 1 Technical Staff: Joe O'Hagan  
 Docket: 00-AFC-5 Technical Senior: \_\_\_\_\_

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pages 5.4-1 to 5.4-5	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.4-1 to 5.4-5	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Pages 5.4-1 to 5.4-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.4-4	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/02/00

Technical Area: Traffic and Transportation

Project: United Golden Gate Power Plant, Phase 1

Technical Staff: David Flores

Project Manager: Kevin Kennedy

Docket: 00- AFC-5

Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 5.11-1, 2 Sec. 5.11.1.1, 5.11.1.2 AFC pg. 5.11-14, 15 Sec. 5.11.2.5 Sec. 5.11.3	YES	
Appendix B (g) (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	Fig. 5.11-1	YES	
Appendix B (g) (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	Fig. 5.11-2	NO	Identify existing and planned roads, light rail, bike trails, and bus routes serving the project vicinity.
Appendix B (g) (5) (B) (i)	Road classification and design capacity;	AFC pg.5.11-1 & 2 Sec. 5.11.1.2.1 AFC pg. 5.11-3 Table 5.11-1	NO	Please provide the design capacities for the roadways to be utilized during the construction of phase 1 of the project.
Appendix B (g) (5) (B) (ii)	Current daily average and peak traffic counts;	Pg. 5.11-3 Table 5.11-1	NO	Provide daily average and peak traffic counts for phase 1 of the project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Traffic and Transportation  
 Project Manager: Kevin Kennedy

**DATA ADEQUACY WORKSHEET**  
 Project: United Golden Gate Power Plant, Phase 1  
 Docket: 00- AFC-5

Revision No. 0 Date 10/02/00  
 Technical Staff: David Flores  
Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	AFC pg. 5.11-3 Table 5.11-1 AFC pg. 5.11-6 Table 5.11-2 AFC pg. 5.11-7 Table 5.11-3 AFC pg. 5.11-8 Table 5.11-4 AFC pg. 5.11-9 Table 5.11-5	YES	
Appendix B (g) (5) (B) (iv)	Weight and load limitations;		NO	Provide weight and load limitations for roadways in the area of the project.
Appendix B (g) (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	AFC pg. 5.11-9, Sec. 5.11.2.4.1, AFC pg. 5.11-5, 6 Sec. 5.11.2.1.1	NO	Provide estimated percentage of current traffic flows for passenger vehicles and trucks.
Appendix B (g) (5) (B) (vi)	An identification of any road features affecting public safety.	Sec. 5.11.2.4.5 Pg. 5.11-14	NO	As a public safety concern, provide discussion or table of areas of high accident occurrence within the affected area. If none, provide a statement as such.
Appendix B (g) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	AFC pg. 5.11-4 Sec. 5.11.1.3.1 Sec. 5.11.1.3.2	YES	
Appendix B (g) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	AFC pg. 5.11-4, 5, 6 Sec. 5.11.2.1.1 AFC pg. 5.11-7 Table 5.11-3 AFC pg. 5.11-8 Sec. 5.11.2.2.1 AFC pg. 5.11-9 Sec. 5.11.2.2.2 Table 5.11-5	NO	Provide estimated changes to daily average and peak traffic counts for phase 1 of the project.

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   10/02/00  

Technical Area:   Traffic and Transportation  

Project:   United Golden Gate Power Plant, Phase 1  

Technical Staff:   David Flores  

Project Manager:   Kevin Kennedy  

Docket:   00- AFC-5  

  Dale Edwards  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	AFC pg. 5.11-9 5.11.2.3.1	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg. 5.11-15,16, 17 Sec. 5.11.5.1.1 Sec. 5.11.5.1.2 Sec. 5.11.5.3	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 5.11-17 Sec. 5.11.6	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 5.11-15 Sec. 5.11.5	NO	Provide discussion of the projects conformity with the applicable LORS for traffic & transportation issues.
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 5.11-7 Sec. 5.11.6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 5.11-17 Table 5.11-9	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

## DATA ADEQUACY WORKSHEET

Revision No. \_\_\_\_\_ Date Oct 3, 2000

Technical Area: Transmission System Eng.

Project: Golden Gate Power Project—Phase 1

Technical Staff: Mark Hesters

Project Manager: Kevin Kennedy

Docket: 00 AFC 5

Technical Senior: Al Mc Cuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (i) (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 3.6, Page 3.6-1, Figure 3.4-4.	Yes	
Appendix B (i) (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		Not Applicable	
Appendix B (b) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.6, Figure 3.4-4, Figure 3.4-1, Page 3.9-3	NO	Applicant to provide. <ul style="list-style-type: none"> <li>An Interconnection Study including load flow analysis demonstrating conformance or non conformance with utility reliability and planning criteria (WSCC, NERC and Cal-ISO) must be provided for the first year of operation in accordance with the following:</li> <li>Normal system conditions with and without the project during peak conditions.</li> <li>Important single element outages with and without the project.</li> <li>Critical double element outages with and without the project. -</li> </ul>
Appendix B (b) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 3.6, Page 3.6-1, Figure 3.4-1 & 3.4-4.	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Transmission System Eng.  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: Golden Gate Power Project—Phase 1  
 Docket: 00 AFC 5

Revision No. \_\_\_\_\_ Date Oct 3, 2000  
 Technical Staff: Mark Hesters  
 Technical Senior: Al Mc Cuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.6, Figure 3.4-4	Yes	
Appendix B (g) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		Not Applicable	
Appendix B (g) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		Not Applicable	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		NO	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.			Not applicable to TSE. Applicant to provide for TS&N. List CPUC General Order 95.



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Transmission System Eng.  
 Project Manager: Kevin Kennedy

# DATA ADEQUACY WORKSHEET

Project: Golden Gate Power Project—Phase 1  
 Docket: 00 AFC 5

Revision No. \_\_\_\_\_ Date Oct 3, 2000  
 Technical Staff: Mark Hesters  
 Technical Senior: Al Mc Cuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 3.6, Page 3.9-3	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Not Applicable	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Not Applicable	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Visual Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Plant Peaker  
 Docket: 00-AFC-5

Revision No. 0 Date 10/05/00

Technical Staff: David Flores  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC pg. 5.13-2 Sec. 5.13.1.1.1 AFC pg. 5.13-9 Sec. 5.13.2.2, AFC pg. 5.13-5, 6, 7, 8 Sec. 5.13.1.4.1 & 2 AFC pg. 5.13-11 Sec. 5.13.4 AFC pg. 5.13-12, 13, 14 Sec. 5.13.7	YES	
Appendix B (g) (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	AFC pg. 5.13-2 Sec. 5.13.1.1.1	YES	
Appendix B (g) (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Map 5.13-1	YES	
Appendix B (g) (6) (A) (ii)	Elevations of any existing structures on the site; and	AFC pg. 5.13-9 Sec. 5.13.2.2	YES	
Appendix B (g) (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	AFC pg. 5.13-2 Sec. 5.13.1.1 AFC pg. 5.13-3 Sec. 5.13.1.3.1 AFC pg. 5.13-5 through 8 Sec. 5.13.1.41	YES	
Appendix B (g) (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	AFC pg. 5.13-9 through 10 Sec 5.13.2.3 AFC pg. 5.13.3, Sec. 5.13.1.3.1	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Visual Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/05/00  
 Technical Staff: David Flores  
 Technical Senior: Dale Edwards

Project: United Golden Gate Power Plant Peaker  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	AFC pg. 5.13-5 through 8 Sec. 5.13.1.4	YES	
Appendix B (g) (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	AFC pg. 5.13-9 Sec. 5.13.2.2 AFC pg. 5.13-13 through 15 Sec. 5.13.9	YES	
Appendix B (g) (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Fig. 5.13-1, 3, 5, 7 Fig. 5.13-2, 4, 6, 8	YES	
Appendix B (g) (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	AFC pg. 5.13-9, 10 Sec. 5.13.2.3 AFC pg. 5.13-10, 11 Sec. 5.13.2.3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC pg. 5.13-12 Sec. 5.13.6 AFC pg. 7-57 Table 7.1-1 AFC pg. 7-33 & 34 Sec. 7.5.13	YES	

Adequacy Issue: Adequate ☒ Inadequate ☐  
 Technical Area: Visual Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Plant Peaker  
 Docket: 00-AFC-5

Revision No. 0 Date 10/05/00  
 Technical Staff: David Flores  
 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC pg. 5.13-12 Sec. 5.13.6.3 Sec. 5.13.7	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC pg. 5.13-12 Sec. 5.13.6 Sec.13.6.1-3	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC pg. 5.13-12 Sec. 5.13.7	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC pg. 5.13.13 Sec. 5.13.8	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: Waste Management  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date October 4, 2000  
 Technical Staff: Mike Ringer  
 Technical Senior: Bob Haussler

Project: United Golden Gate Power Project, Phase I  
 Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	sec. 5.14	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	sec. 3.10 sec. 5.14.2.2.1	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	sec. 5.14.2 sec. 5.14.3 sec. 5.14.4 sec. 5.14.9	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.		NO	Phase I Environmental Site Assessment
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 Table 5.14-2 Table 5.14-3	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X    
 Technical Area: Waste Management  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Revision No.   0   Date   October 4, 2000  

Project: United Golden Gate Power Project, Phase I  
 Docket: 00-AFC-5

Technical Staff: Mike Ringer  
 Technical Senior: Bob Haussler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	sec. 5.14.1.1.1 sec. 5.14.1.2 Table 5.14-1	YES	
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	sec. 5.14.2.1.1 sec. 5.14.2.1.2 Table 5.14-2 Table 5.14-3	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 7.5.15 Table 7.1-1	NO	Provide references to AFC sections which indicate where conformance with each law or standard during both construction and operation of the facility is discussed
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 5.14.6.3 Table 5.14-4	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	sec. 5.14.6.1 sec. 5.14.6.2 sec. 5.14.6.3	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

Technical Area: Waste Management

Project Manager: Kevin Kennedy

# DATA ADEQUACY WORKSHEET

Revision No.   0   Date October 4, 2000

Technical Staff: Mike Ringer

Technical Senior: Bob Haussler

Project: United Golden Gate Power Project, Phase I

Docket: 00-AFC-5

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.14-4	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.14-5	YES	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Water Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project  
 Docket: 00-AFC-5

Revision No. \_\_\_\_\_ Date 10/04/00  
 Technical Staff: Joe O'Hagan  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 5.5-5 to 5.5-6 and 3.4-7 to 3.4-8	No	Identify design and existing capacity for SFIA water supply. No identification of water supply or volume for construction.
Appendix B (g) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:	Not Applicable		
Appendix B (g) (14) (A) (i)	Waste Discharge Requirements; and			
Appendix B (g) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.			
Appendix B (g) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Pages 5.5-1 to 5.5-5; Map 5.5-1	Yes	
Appendix B (g) (14) (B) (i)	Ground water bodies and related geologic structures;	Pages 5.5-4 to 5.5-5	Yes	
Appendix B (g) (14) (B) (ii)	Surface water bodies; and	Pages 5.5-2 to 5.5-4	Yes	
Appendix B (g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Facility Design		
Appendix B (g) (14) (C)	A description of the water to be used and discharged by the project. This information shall include:			
Appendix B (g) (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Pages 5.5-5 to 5.5-6 and 3.4-7 to 3.4-8	Yes	



Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Water Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project  
 Docket: 00-AFC-5

Revision No. \_\_\_\_\_ Date 10/04/00  
 Technical Staff: Joe O'Hagan  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;		No	Water quality information for source water and any non-sewage discharge.
Appendix B (g) (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Table 3.4-3; Page 5.5-6	No	Average and peak wastewater flows.
Appendix B (g) (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Appendix B, pages 3.4-7 to 3.4-8	No	See immediately above.
Appendix B (g) (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	See Facility Design		
Appendix B (g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Facility Design		
Appendix B (g) (14) (D) (ii)	Drainage facilities and design criteria.	See Facility Design		
Appendix B (g) (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:	Pages 5.5-5 to 5.5-7	Yes	
Appendix B (g) (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Page 5.5-6	No	See above.
Appendix B (g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Page 5.5-6	Yes	
Appendix B (g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Engineering Geology		
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.5-4	No	Need to clarify whether permit is required to discharge to the sewer system.?

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X  
 Technical Area: Water Resources  
 Project Manager: Kevin Kennedy

## DATA ADEQUACY WORKSHEET

Project: United Golden Gate Power Project  
 Docket: 00-AFC-5

Revision No. \_\_\_\_\_ Date 10/04/00  
 Technical Staff: Joe O'Hagan  
 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Tables 5.5-4, 5.5-5 and 5.5-6.	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 5.5-9 to 5.5-11	Yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.5-5	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table 5.5-6	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate   X  

# DATA ADEQUACY WORKSHEET

Revision No.   0   Date   10/6/00  

Technical Area:   Worker Safety  

Project:   United Golden Gate  

Technical Staff:   Rick Tyler  

Project Manager:   K. Kennedy  

Docket:   00-AFC-5  

Technical Senior:   Rick Tyler  

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 5,17	Yes	
Appendix B (g) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 5.17.4	Yes	
Appendix B (g) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Section 5.17.5.2	Yes	
Appendix B (g) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:			
	Construction Health and Safety Program:			
	* Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);	Section 5.17.3.1	Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);	Section 5.17.5.1 and Section 5.17.5.2	Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)	Section 5.17.3.2.4	Yes	
	Operation Health and Safety Program:	Section 5.17.3.2.7	Yes	
	* Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);			
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);	Section 5.17.5.2	Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220);	Section 5.17.3.2.2	Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).	Section 5.17.3.2.4	Yes	

Adequacy Issue: Adequate \_\_\_\_\_ Inadequate X

# DATA ADEQUACY WORKSHEET

Revision No. 0 Date 10/6/00

Technical Area: Worker Safety

Project: United Golden Gate

Technical Staff: Rick Tyler

Project Manager: K. Kennedy

Docket: 00-AFC-5

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 5.17-3	Yes	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 5.17-3	Yes	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 5.17	yes	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 5.7-6	Yes	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 5.17.11	Yes	